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ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
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E-mail : civilexpertsltd@gmail.com
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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-DM-PMC-2014-15 **Date:** 06.05.2014

IS: 2386 Part IV

Client	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	**Sri. Damodar & Co,** Contractor, Bangalore.
Name of the Work	Providing and Laying HDPE water Line in Mohan Kumar Nagara Block-III in J P Park, Ward No.17
Reference	EE/RRND/W.o No/225/2013-14 Dated: 06.02.2014
Type of Mix	Wet Mix macadam
Date of Testing	06.05.2014

Sl No.	Details	Trial No. 1	Trial No. 2	Trial No. 3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	370	372	373	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	89	91	92	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	281	281	281	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	24.05	24.46	24.66	24.39

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples received in the laboratory

→ Any Query regarding the report must be reported within 15 days from the date of testing.

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Job No.: CECTC-DM-PMC-2014-15 Date : 06.05.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Sri. Damodar & Co,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE water Line in Mohan Kumar Nagara Block-III in J P Park, Ward No.17
Reference : EE/RRND/W.o No/225/2013-14 Dated: 06.02.2014
Date of Testing : 06.05.2014
Material Type : Wet Mix Macadam
Sample Location : At Site Oven Dry Wt (gm): **12406**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	378	378	3.0	97.0	95-100
22.4	4316	4694	37.8	62.2	60-80
11.2	2248	6942	56.0	44.0	40-60
4.75	1846	8788	70.8	29.2	25-40
2.36	1265	10053	81.0	19.0	15-30
0.600	1165	11218	90.4	9.6	8-22
0.075	878	12096	97.5	2.5	0-5

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GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Sri. Damodar & Co,** Contractor, Bangalore.

Name of Work : Providing and Laying HDPE water Line in Mohan Kumar Nagara Block-III in J P Park, Ward No.17

Reference : EE/RRND/W.o No/225/2013-14 Dated: 06.02.2014

Date of Testing : 06.05.2014

Material Type : Wet Mix Macadam

Sample Location : At Site

Oven Dry Wt (gm): **12283**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	425	425	3.5	96.5	95-100
22.4	4215	4640	37.8	62.2	60-80
11.2	2165	6805	55.4	44.6	40-60
4.75	1845	8650	70.4	29.6	25-40
2.36	1246	9896	80.6	19.4	15-30
0.600	1132	11028	89.8	10.2	8-22
0.075	945	11973	97.5	2.5	0-5

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Job No.: CECTC-DM-PMC-2014-15

Date: : 06.05.2014

ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Sri. Damodar & Co,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE water Line in Mohan Kumar Nagara Block-III in J P Park, Ward No.17
Reference : EE/RRND/W.o No/225/2013-14 Dated: 06.02.2014
Date of Testing : 06.05.2014
Material Type : Wet Mix Macadam
Sample Location : At Site

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	22.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
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Reference : EE/RRND/W.o No/225/2013-14 Dated: 06.02.2014
Date of Testing : 06.05.2014
Material Type : Wet Mix Macadam
Sample Location : At Site

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	23.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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